

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An elevator control apparatus, comprising:

an abnormality monitoring portion that determines whether there exists ~~makes a determination on presence/absence of~~ an abnormality in an elevator based on information from a sensor by comparing end portions of a speed detection pattern having a speed which decreases the closer a car is to terminal floors with a speed of the car which is detected by the sensor, and outputs a signal for stopping the ~~the~~ ^{[[a]]} car upon detecting the ~~the~~ ^{[[an]]} abnormality;
and

a history information recording portion that records a history of information concerning the determination by the abnormality monitoring portion.

2. (Canceled)

3. (Canceled)

4. (Currently Amended) An elevator control apparatus according to claim ^{[[2]]} 1, wherein the history information recording portion records a combination of at least part of data on a position of the car, data on the detected speed of the car, data on the compared portion of the speed detection pattern, ~~set value set by the speed monitoring portion,~~ and data on the result of the comparing ~~comparison between the detected speed detected by the speed monitoring portion and the set value.~~

5. (Original) An elevator control apparatus according to claim 4, wherein in the history information recording portion, the combination of data is accumulated for each corresponding time.

6. (Original) An elevator control apparatus according to claim 1, further comprising a soundness diagnosing portion that performs an automatic diagnosis on soundness of the abnormality monitoring portion, the history information recording portion recording a result of the diagnosis by the soundness diagnosing portion.

7. (Original) An elevator control apparatus according to claim 1, wherein the history information recording portion is capable of recording routine inspection history.

8. (New) An elevator control apparatus according to claim 1, wherein:
the speed detection pattern includes a constant speed section between the end portions thereof; and

the abnormality monitoring portion compares the end portions and the constant speed section with the speed of the car.

9. (New) An elevator control apparatus according to claim 1, further comprising:
a braking device which brakes the car when the signal for stopping the car is output.

10. (New) An elevator control apparatus according to claim 1, further comprising:
a second speed detection pattern containing speeds which are higher than the speeds of said speed detection pattern at corresponding car positions,

wherein the abnormality monitoring portion further determines whether the speed of the car exceeds a speed of a corresponding portion of the second speed detection pattern.

11. (New) An elevator control apparatus according to claim 10, further comprising:
a braking device which brakes the car in different amounts, depending on whether the speed of the car is detected to exceed said speed detection pattern or said second speed detection pattern.

12. (New) A method, comprising:
detecting a speed of an elevator car using a sensor;
determining whether there exists an abnormality of the elevator car by comparing end portions of a speed detection pattern having a speed which decreases the closer the elevator car is to terminal floors with the speed of the elevator car which is detected by the sensor;
outputting a signal for stopping the car upon detecting the abnormality;
braking the elevator car using the signal for stopping the car; and
recording a history of information the abnormality.

13. (New) A method according to claim 12, wherein:
wherein the abnormality monitoring portion further determines whether the speed of the car exceeds a speed of a corresponding portion of a second speed detection pattern, the second speed detection pattern containing speeds which are higher than the speeds of said speed detection pattern at corresponding car positions.

14. (New) A method according to claim 13, wherein:

the braking of the elevator car brakes the car in different amounts, depending on whether the speed of the car is detected to exceed said speed detection pattern or said second speed detection pattern.